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WHAT IS CLAIMED IS:

1. For use in communicating data over a voice channel
2 between a transmitter and a receiver, a system comprising:

3 a silence detector, coupled to said transmitter, that
4 identifies a pause in voice traffic that is to be transmitted over
5 said voice channel and generates an interjection signal during said
6 pause; and

7 a data injector, coupled to said silence detector, that
receives said interjection signal and responds by causing said
transmitter to transmit data to said receiver over said voice
channel.

10 2. The system as recited in Claim 1 wherein said voice
traffic is analog voice traffic.

12 3. The system as recited in Claim 1 wherein said transmitter
is associated with a base station of a cordless telephone and said
3 receiver is associated with a handset of said cordless telephone.

14 4. The system as recited in Claim 1 wherein said data
2 comprises caller identification data.

5. The system as recited in Claim 1 wherein said data
2 comprises menu item selection data.

6. The system as recited in Claim 1 wherein said transmitter
2 transmits said voice traffic in frames.

7. The system as recited in Claim 1 wherein said silence
2 detector identifies said pause by comparing a peak energy of said
3 voice traffic to a noise floor reference.

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2 8. A method of communicating data over a voice channel
between a transmitter and a receiver, comprising:

3 identifying a pause in voice traffic that is to be transmitted
4 over said voice channel; and

5 responding to said pause by causing said transmitter to
6 transmit data to said receiver over said voice channel.

2 9. The method as recited in Claim 8 wherein said voice
3 traffic is analog voice traffic.

2 10. The method as recited in Claim 8 wherein said transmitter
3 is associated with a base station of a cordless telephone and said
4 receiver is associated with a handset of said cordless telephone.

2 11. The method as recited in Claim 8 wherein said data
3 comprises caller identification data.

2 12. The method as recited in Claim 8 wherein said data
3 comprises menu item selection data.

2 13. The method as recited in Claim 8 wherein said transmitter
3 transmits said voice traffic in frames.

14. The method as recited in Claim 8 wherein said identifying
2 comprises comparing a peak energy of said voice traffic to a noise
3 floor reference.

15. A cordless telephone, comprising:

2 a base station transceiver;

3 a handset transceiver, said base station and handset
4 transceivers cooperable to establish a voice channel therebetween;

5 a silence detector, coupled to said base station transceiver,
6 that identifies a pause in voice traffic that is to be transmitted
7 over said voice channel and generates an interjection signal during
8 said pause; and

9 a data injector, coupled to said silence detector, that
10 receives said interjection signal and responds by causing said base
11 station transceiver to transmit data to said receiver over said
12 voice channel.

16. The cordless telephone as recited in Claim 15 wherein
said voice traffic is analog voice traffic.

17. The cordless telephone as recited in Claim 15 wherein
2 said data comprises caller identification data.

18. The cordless telephone as recited in Claim 15 wherein
2 said data comprises menu item selection data.

19. The cordless telephone as recited in Claim 15 wherein
2 said base station transceiver transmits said voice traffic in
3 frames.

20. The cordless telephone as recited in Claim 15 wherein
said silence detector identifies said pause by comparing a peak
energy of said voice traffic to a noise floor reference.

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